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## RAW SEQUENCE LISTING

DATE: 04/13/2001

PATENT APPLICATION: US/09/756,398B

TIME: 13:05:03

Input Set : A:\0975.1005-006SEQLIST.TXT

Output Set: N:\CRF3\04122001\I756398B.raw

ENTERED

4 <110> APPLICANT: Le, Junming  
 5 Vilcek, Jan  
 6 Daddona, Peter  
 7 Ghrayeb, John  
 8 Knight, David M.  
 9 Siegel, Scott  
 11 <120> TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of  
 12 Human Tumor Necrosis Factor  
 15 <130> FILE REFERENCE: 0975.1005-006  
 17 <140> CURRENT APPLICATION NUMBER: US 09/756,398B  
 18 <141> CURRENT FILING DATE: 2001-01-03  
 20 <150> PRIOR APPLICATION NUMBER: U.S. 09/133,119  
 21 <151> PRIOR FILING DATE: 1998-08-12  
 23 <150> PRIOR APPLICATION NUMBER: U.S. 08/570,674  
 24 <151> PRIOR FILING DATE: 1995-12-11  
 26 <150> PRIOR APPLICATION NUMBER: U.S. 08/324,799  
 27 <151> PRIOR FILING DATE: 1994-10-18  
 29 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,102  
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 32 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,861  
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 35 <150> PRIOR APPLICATION NUMBER: U.S. 08/192,093  
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 38 <150> PRIOR APPLICATION NUMBER: U.S. 08/010,406  
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 41 <150> PRIOR APPLICATION NUMBER: U.S. 08/013,413  
 42 <151> PRIOR FILING DATE: 1993-02-02  
 44 <150> PRIOR APPLICATION NUMBER: U.S. 07/943,852  
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 47 <150> PRIOR APPLICATION NUMBER: U.S. 07/853,606  
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 50 <150> PRIOR APPLICATION NUMBER: U.S. 07/670,827  
 51 <151> PRIOR FILING DATE: 1991-03-18  
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 55 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
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 58 <211> LENGTH: 157  
 59 <212> TYPE: PRT  
 60 <213> ORGANISM: Homo sapiens  
 62 <400> SEQUENCE: 1  
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 64 1 5 10 15  
 65 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg  
 66 20 25 30  
 67 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu  
 68 35 40 45  
 69 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe

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70      50      55      60
71 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
72 65      70      75      80
73 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
74      85      90      95
75 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
76      100     105     110
77 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
78      115     120     125
79 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
80      130     135     140
81 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
82 145     150     155
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86 <211> LENGTH: 321
87 <212> TYPE: DNA
88 <213> ORGANISM: Mus Balb/c
90 <220> FEATURE:
91 <221> NAME/KEY: CDS
92 <222> LOCATION: (1)...(321)
94 <400> SEQUENCE: 2
95 gac atc ttg ctg act cag tct cca gcc atc ctg tct gtg agt cca gga 48
96 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
97 1      5      10      15
99 gaa aga gtc agt ttc tcc tgc agg gcc agt cag ttc gtt ggc tca agc 96
100 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
101      20      25      30
103 atc cac tgg tat cag caa aga aca aat ggt tct cca agg ctt ctc ata 144
104 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
105      35      40      45
107 aag tat gct tct gag tct atg tct ggg atc cct tcc agg ttt agt ggc 192
108 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
109      50      55      60
111 agt gga tca ggg aca gat ttt act ctt agc atc aac act gtg gag tct 240
112 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
113 65      70      75      80
115 gaa gat att gca gat tat tac tgt caa caa agt cat agc tgg cca ttc 288
116 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
117      85      90      95
119 acg ttc ggc tcg ggg aca aat ttg gaa gta aaa 321
120 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
121      100     105
124 <210> SEQ ID NO: 3
125 <211> LENGTH: 107
126 <212> TYPE: PRT
127 <213> ORGANISM: Mus Balb/c
129 <400> SEQUENCE: 3
130 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
131 1      5      10      15

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132 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
133          20          25          30
134 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
135          35          40          45
136 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
137          50          55          60
138 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
139 65          70          75          80
140 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
141          85          90          95
142 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
143          100          105
146 <210> SEQ ID NO: 4
147 <211> LENGTH: 357
148 <212> TYPE: DNA
149 <213> ORGANISM: Mus Balb/c
151 <220> FEATURE:
152 <221> NAME/KEY: CDS
153 <222> LOCATION: (1)...(357)
155 <400> SEQUENCE: 4
156 gaa gtg aag ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga 48
157 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
158 1          5          10          15
160 tcc atg aaa ctc tcc tgt gtt gcc tct gga ttc att ttc agt aac cac 96
161 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
162          20          25          30
164 tgg atg aac tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt 144
165 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
166          35          40          45
168 gct gaa att aga tca aaa tct att aat tct gca aca cat tat gcg gag 192
169 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
170          50          55          60
172 tct gtg aaa ggg agg ttc acc atc tca aga gat gat tcc aaa agt gct 240
173 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
174 65          70          75          80
176 gtc tac ctg caa atg acc gac tta aga act gaa gac act ggc gtt tat 288
177 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
178          85          90          95
180 tac tgt tcc agg aat tac tac ggt agt acc tac gac tac tgg ggc caa 336
181 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
182          100          105          110
184 ggc acc act ctc aca gtc tcc 357
185 Gly Thr Thr Leu Thr Val Ser
186          115
189 <210> SEQ ID NO: 5
190 <211> LENGTH: 119
191 <212> TYPE: PRT
192 <213> ORGANISM: Mus Balb/c
194 <400> SEQUENCE: 5

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195 Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
196 1          5          10          15
197 Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
198          20          25          30
199 Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
200          35          40          45
201 Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
202          50          55          60
203 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
204 65          70          75          80
205 Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
206          85          90          95
207 Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
208          100         105         110
209 Gly Thr Thr Leu Thr Val Ser
210          115

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213 <210> SEQ ID NO: 6

214 <211> LENGTH: 8

215 <212> TYPE: PRT

216 <213> ORGANISM: Homo sapiens

218 <400> SEQUENCE: 6

219 Gly Thr Leu Val Thr Val Ser Ser

220 1 5

223 <210> SEQ ID NO: 7

224 <211> LENGTH: 7

225 <212> TYPE: PRT

226 <213> ORGANISM: Homo sapiens

228 <400> SEQUENCE: 7

229 Gly Thr Lys Leu Glu Ile Lys

230 1 5

233 <210> SEQ ID NO: 8

234 <211> LENGTH: 20

235 <212> TYPE: DNA

236 <213> ORGANISM: Artificial Sequence

238 <220> FEATURE:

239 <223> OTHER INFORMATION: PCR oligonucleotides

242 <400> SEQUENCE: 8

243 cctggatacc tgtgaaaaga

20

245 <210> SEQ ID NO: 9

246 <211> LENGTH: 27

247 <212> TYPE: DNA

248 <213> ORGANISM: Artificial Sequence

250 <220> FEATURE:

251 <223> OTHER INFORMATION: PCR oligonucleotides

254 <400> SEQUENCE: 9

255 cctggtacct tagtcaccgt ctcctca

27

257 <210> SEQ ID NO: 10

258 <211> LENGTH: 27

259 <212> TYPE: DNA

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 Output Set: N:\CRF3\04122001\I756398B.raw

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260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: PCR oligonucleotides
266 <400> SEQUENCE: 10
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269 <210> SEQ ID NO: 11
270 <211> LENGTH: 21
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: PCR oligonucleotides
278 <400> SEQUENCE: 11
279 atcgggacaa agttggaaat a                      21
281 <210> SEQ ID NO: 12
282 <211> LENGTH: 16
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: PCR oligonucleotides
290 <400> SEQUENCE: 12
291 ggcggtctgg taccgg                            16
293 <210> SEQ ID NO: 13
294 <211> LENGTH: 19
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: PCR oligonucleotides
302 <400> SEQUENCE: 13
303 gtcaacaaca tagtcatca                        19
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306 <211> LENGTH: 23
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: PCR oligonucleotides
314 <400> SEQUENCE: 14
315 cacaggtgtg tccccaagga aaa                    23
317 <210> SEQ ID NO: 15
318 <211> LENGTH: 18
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
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323 <223> OTHER INFORMATION: PCR oligonucleotides
327 <400> SEQUENCE: 15
328 aatctggggt aggcacaa                          18
330 <210> SEQ ID NO: 16
331 <211> LENGTH: 17
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence

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VERIFICATION SUMMARY                      DATE: 04/13/2001  
PATENT APPLICATION: US/09/756,398B        TIME: 13:05:04  
  
Input Set : A:\0975.1005-006SEQLIST.TXT  
Output Set: N:\CRF3\04122001\I756398B.raw